2006 INTERNATIONAL BUILDING CODE® PLAN REVIEW RECORD

Plan Review #_____
Date: _____
Valuation: _____
Fee: _____

JURISDICTION: _____
(City, County, Township, etc.)

BUILDING LOCATION: _____
(Street address)

BUILDING DESCRIPTION: _____

REVIEWED BY: _____

Numerals indicated in parenthesis are applicable code sections of the 2006 *International Building Code*. The plan review accomplished as indicated in this record is limited to those code sections specifically identified herein. This record references commonly applicable code sections. It does not reference all code provisions which may be applicable to specific buildings. This record is designed to be used only by those who are knowledgeable and capable of exercising competent judgement in evaluating construction documents for code compliance.

CORRECTION LIST

No.	DESCRIPTION	Code Section

08/06

CORRECTION LIST (cont'd.)

No.	DESCRIPTION	Code Section

CORRECTION LIST (cont'd.)		
No.	DESCRIPTION	Code Section

CORRECTION LIST (cont'd.)

No.	DESCRIPTION	Code Section

NOTES: N.R. — Not required
N.A. — Not applicable

ADMINISTRATION (Chapter 1)

_____ Complete construction documents *(106.1, 106.2)*

_____ Signed/sealed construction documents *(106.1, State laws vary)*

BUILDING PLANNING (Chapters 3, 4, 5, 6)

OCCUPANCY CLASSIFICATION (302 - 312, 508)

_____ Single Occupancy *(302.1)*

_____ Incidental uses *(508.2)*

_____ Mixed Occupancy *(508.3)*

_____ Accessory occupancies *(508.3.1)*

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

Apply Case 1 to determine the allowable height and area and permitted types of construction for a building containing a single occupancy or nonseparated mixed occupancies. Apply Case 2 to determine the allowable height and area and permitted types of construction for a building containing separated mixed occupancies.

AREA MODIFICATIONS TO TABLE 503

Allowable tabular area, A_t *(Table 503)* 1

Area Increase Factor due to Frontage, I_f *(506.2)* +_____

Area Increase Factor due to automatic sprinklers, I_s *(506.3)* +_____

Conversion factor =_____

Frontage *(506.2)*

North	East	South	West
_____	_____	_____	_____

Total Frontage *(F)* _____ ft. Perimeter *(P)* _____ ft.

Width of open space *(W)* =_____

Area Increase Factor due to Frontage, I_f=_____ *(506.2)*

$$I_f = \left[\frac{F}{P} - 0.25\right]\frac{W}{30}$$

CASE 1 — SINGLE OCCUPANCY OR NONSEPARATED OCCUPANCIES (508.3.2)

Using Table 503, identify the allowable height and area of the single occupancy or the most restrictive of the nonseparated mixed occupancies. Construction types that provide an allowable tabular area equal to or greater than the adjusted building area and allowable heights (as modified by Section 504) equal to or greater than the actual building height are permitted.

DETERMINE CONSTRUCTION TYPE

Actual building area _____ ft^2

Adjusted building area _____ ft^2
actual building area ÷ conversion factor

Actual building height _____ feet _____ stories

Allowable building height _____ feet _____ stories

Permitted types of construction _____

Type of construction assumed for review *(602.1.1)* _____

CHECK ALLOWABLE AREA (506.4)

Allowable area per floor (A_a)

_____ × _____ = _____ ft^2
conversion factor; tabular area *(Table 503)*

Total floor area (all stories) _____ ft^2

Allowable floor area (all stories)

_____ × _____ = _____ ft^2
Allowable area per floor (A_a); number of stories (maximum 3)

Compliance verified (Single Occ. or Nonsep.) _____

CASE 2 — SEPARATED MIXED OCCUPANCIES (508.3.3)

Using Table 503, identify the allowable height and area of each of the separated occupancies within the building. Construction types that provide, for each story of the building, tabular areas (as modified by Section 506) which result in a sum of the ratios of 1.00 or less and allowable heights (as modified by Section 504) equal to or greater than the actual height of the occupancy are permitted.

Story	Group	Actual floor area	Adjusted floor area*	Actual height	Allowable height
______	______	______ ft^2	______ ft^2	______ ft ______ stories	______ ft ______ stories
______	______	______ ft^2	______ ft^2	______ ft ______ stories	______ ft ______ stories
______	______	______ ft^2	______ ft^2	______ ft ______ stories	______ ft ______ stories
______	______	______ ft^2	______ ft^2	______ ft ______ stories	______ ft ______ stories
______	______	______ ft^2	______ ft^2	______ ft ______ stories	______ ft ______ stories
______	______	______ ft^2	______ ft^2	______ ft ______ stories	______ ft ______ stories
______	______	______ ft^2	______ ft^2	______ ft ______ stories	______ ft ______ stories

$$\text{Area ratio (single floor)} = \sum \frac{\text{Adjusted floor area *}}{\text{Allow. tab. area, } A_t \text{ (Table 503)}} = \_\_\_ + \_\_\_ + \_\_\_ + \_\_\_ = \_\_\_ \leq 100$$

*Adjusted floor area = actual floor area ÷ conversion factor

CHECK ALLOWABLE AREA (506.4)

Total area ratio (all floors) = ______ Permitted types of construction ______

Two-story buildings (Total area ratio ≤ 2) ______ Type of construction assumed for review *(602.1.1)* ______

Three or more story buildings (Total area ratio ≤ 3) ______ Compliance verified (Mixed Occ. Separated) ______

MEZZANINES (505)

______ Area limitation *(505.2)* ______ Openness *(505.4)*

______ Egress *(505.3)* ______ Equipment platforms *(505.5)*

UNLIMITED AREA BUILDINGS (507)

______ Nonsprinklered, one story *(507.2)* ______ Group H occupancies *(507.7)*

______ Sprinklered, one story *(507.3)* ______ Aircraft paint hangar *(507.8)*

______ Two story *(507.4)* ______ Group E buildings *(507.9)*

______ Reduced open space *(507.5)* ______ Motion picture theaters *(507.10)*

______ Group A-3 buildings *(507.6)* ______ Covered mall buildings/anchor stores *(507.11)*

SPECIAL PROVISIONS (509)

______ Special condition applicable *(509.1)* ______ Compliance verified

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY (Chapter 4)

COVERED MALL BUILDINGS (402)

______ Egress *(402.4, 402.12)*

______ Mall width *(402.5)*

______ Unlimited area *(402.6)*

______ Fire separations *(402.7)*

______ Automatic sprinkler system *(402.8)*

______ Standpipe system *(402.8.1)*

______ Smoke control *(402.9)*

______ Kiosk requirements *(402.10)*

______ Playground structures *(402.11)*

______ Emergency voice/alarm *(402.13, 402.14)*

______ Plastic signs *(402.15)*

______ Fire department access *(402.16)*

HIGH-RISE BUILDINGS (403)

_____ Automatic sprinkler system *(403.2)*

_____ Fire-resistance rating reduction *(403.3)*

_____ Automatic fire detection *(403.5)*

_____ Emergency voice/alarm systems *(403.6)*

_____ Fire department communication *(403.7)*

_____ Fire command center *(403.8)*

_____ Elevators *(403.9)*

_____ Standby power *(403.10)*

_____ Emergency power *(403.11)*

_____ Stairway doors *(403.12)*

_____ Smokeproof exit *(403.13)*

ATRIUMS (404)

_____ Atrium use *(404.2)*

_____ Automatic sprinkler system *(404.3)*

_____ Smoke control *(404.4)*

_____ Enclosure *(404.5)*

_____ Standby power *(404.6)*

_____ Interior finish *(404.7)*

_____ Travel distance *(404.8)*

OTHER SPECIAL USE AND OCCUPANCY

_____ Underground structures *(405)*

_____ Motor-vehicle-related occupancies *(406, 509)*

_____ Group I-2 *(407)*

_____ Group I-3 *(408)*

_____ Motion picture projection rooms *(409)*

_____ Stages and platforms *(410)*

_____ Special amusement buildings *(411)*

_____ Aircraft-related occupancies *(412)*

_____ Combustible storage *(413)*

_____ Hazardous materials *(307.1, 414)*

_____ Groups H-1, H-2, H-3, H-4, and H-5 *(415)*

_____ Application of flammable finishes *(416)*

_____ Drying rooms *(417)*

_____ Organic coatings manufacturing *(418)*

_____ Group I-1, R-1, R-2, R-3 *(419)*

_____ Hydrogen cutoff rooms *(420)*

FIRE PROTECTION (Chapters 6, 7, 8, 9)

FIRE-RESISTANCE-RATED CONSTRUCTION (Tables 601 & 602 and Chapter 7)

Note: Entry in ☐ indicates required rating in hours. NC indicates noncombustible construction required.

_____ Construction classification *(602)*

COMBUSTIBILITY (602.2, 602.3, 602.4, 602.5, 603)

_____ Exterior walls

_____ Interior elements

_____ Roof

FIRE-RESISTANCE RATINGS AND FIRE TESTS (703)

_____ Ratings / Combustibility *(703.2, 703.4)*

_____ Alternative methods *(703.3, 718, 720, 721)*

BUILDING ELEMENTS (Table 601)

☐_____ Structural frame *(714)*

☐_____ Interior bearing walls

☐_____ Interior nonbearing walls

☐_____ Floor construction *(711)*

☐_____ Roof construction *(711)*

EXTERIOR WALLS (507, Table 602, 704, 706.6)

	North	East	South	West
Fire separation distance	____	____	____	____
Bearing	☐____	☐____	☐____	☐____
Nonbearing	☐____	☐____	☐____	☐____

EXTERIOR WALLS (continued)

☐ _____ Opening protection *(704.8, 704.12, 704.14)*

☐ _____ Vertical fire spread protection *(704.9, 704.10)*

☐ _____ Parapets *(704.11)*

FIRE BARRIERS (706)

☐ _____ Shaft enclosures *(706.3.1)*

☐ _____ Exit enclosures/exit passageway *(706.3.2, 706.3.3)*

☐ _____ Horizontal exits *(706.3.4)*

☐ _____ Atriums *(706.3.5)*

☐ _____ Incidental use areas *(706.3.6)*

☐ _____ Control areas *(706.3.7)*

☐ _____ Mixed occupancy and fire area separations *(706.3.8, 706.3.9)*

SHAFTS (707)

☐ _____ Exceptions *(707.2)*

☐ _____ Construction *(707.3 - 707.14)*

OTHER FIRE-RESISTANT CONSTRUCTION

☐ _____ Fire walls *(705)*

☐ _____ Fire partitions *(708)*

☐ _____ Smoke barriers *(709)*

_____ Smoke partitions *(710)*

_____ Penetrations *(712)*

_____ Fire-resistant joint systems *(713)*

_____ Opening protectives *(715)*

_____ Dampers *(716)*

_____ Concealed spaces *(717)*

_____ Thermal- and sound-insulating materials *(719)*

INTERIOR FINISHES (Chapter 8)

_____ Smoke development *(803.1)*

_____ Flame spread *(803.1)*

_____ Non-textile finish *(803.2)*

_____ Floor finish *(804)*

_____ Decorations and trim *(806)*

FIRE PROTECTION (Chapter 9)

AUTOMATIC SPRINKLER SYSTEMS (903) (Where required)

_____ Assembly (A-1, A-2, A-3, A-4, A-5) *(903.2.1)*

_____ Educational (E) *(903.2.2)*

_____ Factory/Industrial (F-1) *(903.2.3)*

_____ High-hazard (H-1, H-2, H-3, H-4, H-5) *(903.2.4)*

_____ Institutional (I-1, I-2, I-3, I-4) *(407.5, 903.2.5)*

_____ Mercantile (M) *(903.2.6)*

_____ Residential (R) *(903.2.7)*

_____ Storage/Repair garage (S-1) *(903.2.8)*

_____ Parking garages *(903.2.9)*

_____ Windowless story *(903.2.10.1)*

_____ Rubbish and linen chutes *(903.2.10.2)*

_____ Buildings over 55 ft. high *(903.2.10.3)*

_____ Incidental uses *(508.2)*

_____ Additional required systems *(Table 903.2.13)*

_____ International Fire Code *(IFC 903.2.13)*

AUTOMATIC SPRINKLER SYSTEMS* (903) (Design)

_____ Shop drawings *(106.1.1.1)*

_____ NFPA 13 system *(903.3.1.1)*

_____ NFPA 13R system *(903.3.1.2)*

_____ NFPA 13D system *(903.3.1.3)*

_____ Quick-response and residential heads *(903.3.2)*

_____ Actuation *(903.3.4)*

_____ Water supplies *(903.3.5)*

_____ Hose threads *(903.3.6)*

_____ Sprinkler monitoring and alarms *(903.4, 907.13)*

* Also see Fire Code Sprinkler Plan Review Record

ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS (904)

_____ Installation *(904.3)*

_____ Wet-chemical systems *(904.5)*

_____ Dry-chemical systems *(904.6)*

_____ Foam systems *(904.7)*

_____ Carbon dioxide systems *(904.8)*

_____ Halon systems *(904.9)*

_____ Clean-agent systems *(904.10)*

_____ Commercial cooking systems *(904.2.1, 904.11)*

STANDPIPE SYSTEMS (905)

_____ Installation standards *(905.2)*

_____ Building height *(905.3.1)*

_____ Group A *(905.3.2)*

_____ Covered malls *(905.3.3)*

_____ Stages *(905.3.4)*

_____ Underground buildings *(905.3.5)*

_____ Helistops/heliports *(905.3.6)*

_____ Marinas/boatyards *(905.3.7)*

_____ Hose connections and locations *(905.1, 905.4, 905.5, 905.6)*

_____ Cabinets *(905.7)*

_____ Dry standpipes *(905.8)*

_____ Valve supervision *(905.9)*

PORTABLE FIRE EXTINGUISHERS (906)

_____ Required locations - IFC *(906.1)*

FIRE ALARM AND DETECTION SYSTEMS (907) (Where required)

_____ Construction documents *(907.1.1)*

_____ Assembly (A-1, A-2, A-3, A-4, A-5) *(907.2.1)*

_____ Business (B) *(907.2.2)*

_____ Educational (E) *(907.2.3)*

_____ Factory (F-1, F-2) *(907.2.4)*

_____ High-hazard (H-1, H-2, H-3, H-4, H-5) *(907.2.5)*

_____ Institutional (I-1, I-2, I-3, I-4) *(907.2.6)*

_____ Mercantile (M) *(907.2.7)*

_____ Residential (R-1, R-2) *(907.2.8, 907.2.9)*

_____ Single/multiple station smoke alarms *(907.2.10)*

_____ High-rise buildings *(907.2.12)*

_____ Atriums *(907.2.13)*

_____ Other buildings/areas *(907.2.11, 907.2.14 - 907.2.23)*

FIRE ALARM AND DETECTION SYSTEMS (907) (Design)

_____ Residential smoke alarm power source *(907.2.10.2)*

_____ Residential smoke alarm interconnection *(907.2.10.3)*

_____ Location/Power supply/Wiring *(907.3 - 907.5)*

_____ Activation/Presignal/Zones *(907.6 - 907.8)*

_____ Alarm notification appliances *(907.9)*

_____ Detectors *(907.10 - 907.12)*

_____ Monitoring *(907.14)*

EMERGENCY ALARM SYSTEMS (908)

_____ Detection system applicable *(908.1 - 908.6)*

SMOKE CONTROL SYSTEMS (909)

_____ Where required *(402.9, 404.4, 405.5, 408.8, 410.3.7.2, 1020.1.7, 1025.6.2.1)*

_____ Design requirements *(909.1 - 909.4)*

_____ Smoke barriers *(909.5)*

_____ Pressurization method *(909.6)*

_____ Airflow design method *(909.7)*

_____ Exhaust method *(909.8)*

_____ Design fire *(909.9)*

_____ Equipment/Power *(909.10, 909.11)*

_____ Detection and control *(909.12 - 909.18)*

_____ Smokeproof enclosures *(909.20)*

SMOKE AND HEAT VENTS (910)

_____ Requirements *(910.1 - 910.3)*

_____ Mechanical alternative *(910.4)*

FIRE COMMAND CENTER (911)

_____ Features *(911.1)*

FIRE DEPARTMENT CONNECTIONS (912)

_____ Installation *(912.1 - 912.5)*

OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

OCCUPANT LOAD *(1004.1.1 and Table 1004.1.1)*

Location	Floor Area	÷	Sq.ft./ person	=	Occt. load	Other occt. loads	Total

CAPACITY OF EGRESS COMPONENTS *(1005.1 and Table 1005.1)*

Egress width (inch/occupant)

Stairways _____

Other egress components _____

CAPACITY

Location	Stairways	Other egress components

NUMBER OF EXITS *(1019.1, 1019.2)*

Location	Required	Shown

MEANS OF EGRESS (continued)

GENERAL MEANS OF EGRESS

_____ Design requirements *(1003.2 - 1003.7)*

_____ Means of egress illumination *(1006)*

_____ Exit signs *(1011)*

_____ Accessible means of egress *(1007)*

_____ Means of egress doors *(1008.1-1008.1.2)*

_____ Special doors/Gates/Turnstiles *(1008.1.3, 1008.2, 1008.3)*

_____ Door landings/Thresholds/Arrangement *(1008.1.4 -1008.1.7)*

_____ Door hardware *(1008.1.8, 1008.1.9)*

_____ Stairways *(1009)*

_____ Roof access *(1009.11)*

_____ Ramps *(1010)*

_____ Handrails *(1012)*

_____ Guards *(1013)*

EXIT ACCESS

_____ Door number and arrangement *(1014.2, 1015.1, 1015.2)*

_____ Common path of egress travel *(1014.3)*

_____ Exit access travel distance *(1016.1)*

_____ Aisles *(1014.4)*

_____ Egress balconies *(1014.5, 1016.3)*

_____ Corridors *(1017)*

_____ Air movement in corridors *(1017.4)*

EXITS / EXIT DISCHARGE

_____ Exits/Exit doors *(1018, 1019)*

_____ Vertical exit enclosures *(1020)*

_____ Exit passageways *(1021)*

_____ Horizontal exits *(1022)*

_____ Exterior exit ramps/stairways *(1023)*

_____ Exit discharge *(1024)*

OTHER MEANS OF EGRESS

_____ Miscellaneous egress requirements *(1015.3 - 1015.6)*

_____ Bleachers *(1025.1.1)*

_____ Assembly exits & egress *(1025.2 - 1025.5)*

_____ Assembly aisles & features *(1025.6 - 1025.15)*

_____ Emergency escape and rescue *(1026)*

ACCESSIBILITY* (Chapter 11)

_____ Scoping requirements *(1103)*

_____ Accessible route *(1104)*

_____ Accessible entrances *(1105)*

_____ Parking and passenger loading *(1106)*

_____ Dwelling units and sleeping units *(1107)*

_____ Special occupancies *(1108)*

_____ Features and facilities *(1109)*

_____ Signage *(1110)*

*Also see Accessibility Plan Review Record

INTERIOR ENVIRONMENT (Chapter 12)

_____ Ventilation openings *(1203)**

_____ Temperature control *(1204)*

_____ Lighting *(1205)*

_____ Yards or courts *(1206)*

_____ Sound transmission *(1207)*

_____ Interior space dimensions *(1208)*

_____ Access to unoccupied spaces *(1209)*

_____ Surrounding materials *(1210, 2509)*

*Also see Mechanical Code Plan Review Record

BUILDING ENVELOPE (Chapters 13*, 14, 15)

*See Energy Conservation Code Plan Review Record

EXTERIOR WALLS (Chapter 14)

_____ Performance requirements *(1403)*

_____ Materials *(1404)*

_____ Exterior wall coverings/MCM's *(1405, 1407)*

_____ Combustible material restrictions *(1406)*

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES (Chapter 15)

_____ Weather protection *(1503)*

_____ Flashing *(1503.2, 1507.2.9, 1507.3.9, 1507.5.6, 1507.7.6, 1507.8.7, 1507.9.8)*

_____ Performance requirements *(1504)*

_____ Fire classification *(1505)*

_____ Materials *(1506)*

_____ Roof coverings *(1507)*

_____ Roof insulation *(1508)*

_____ Rooftop structures *(1509)*

_____ Reroofing *(1510)*

STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

STRUCTURAL DESIGN (Chapter 16)

STRUCTURAL DESIGN CALCULATIONS

_____ Submitted for all structural members *(106.1, 106.1.1)*

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads *(1603.1.1, Table 1607.1)*

Floor Area Use	Loads Shown

_____ Live load reduction *(1603.1.1, 1607.9, 1607.10)*

_____ Roof live loads *(1603.1.2, 1607.11)*

Roof snow loads *(1603.1.3, 1608; Chapter 7 of ASCE 7)*

_____ Ground snow load, p_g *(1608.2; 7.2 of ASCE 7)*

_____ If p_g > 10 psf, flat-roof snow load, p_f *(7.3 of ASCE 7)*

_____ If p_g > 10 psf, snow exposure factor, C_e *(Table 7-2, 7.3.1 of ASCE 7)*

_____ If p_g > 10 psf, snow load importance factor, I *(7.3.3, Table 7-4 of ASCE 7)*

_____ Roof thermal factor, C_t *(Table 7-3, 7.3.2 of ASCE 7)*

_____ Sloped roof snow load, p_s *(7.4 of ASCE 7)*

DESIGN LOADS (continued)

Wind loads *(1603.1.4, 1609; Chapter 6 of ASCE 7)*

_____ Design procedure *(6.1.2 of ASCE 7)*

_____ Basic wind speed *(1609.3; Fig. 6-1 of ASCE 7)*

_____ Occupancy category *(Table 1604.5; Table 1-1 of ASCE 7)*

_____ Wind importance factor, *I (Table 6-1, 6.5.5 of ASCE 7)*

_____ Surface roughness/Exposure categories *(1609.4; 6.5.6 of ASCE 7)*

_____ Internal pressure coefficient *(Fig. 6-5, 6.5.11.1 of ASCE 7)*

_____ Component and cladding pressures *(6.1.4.2, 6.4.2.2, 6.5.12.4 of ASCE 7)*

_____ Main wind-force resisting system *(6.1.4.1, 6.4.2.1, 6.5.12.2 of ASCE 7)*

Earthquake design data *(1603.1.5, 1613; Chapter 11 - 13 and 15 - 23 of ASCE 7)*

_____ Occupancy category *(Table 1604.5; Table 1-1 of ASCE 7)*

_____ Seismic importance factor *(11.5.1, Table 11.5-1 of ASCE 7)*

_____ Mapped spectral response acceleration, S_S and S_1 *(1613.5.1; 11.4.1 of ASCE 7)*

_____ Spectral response coefficients, S_{DS} & S_{D1} *(1613.5.4; 11.4.4 of ASCE 7)*

_____ Site class *(1613.5.2; 11.4.2 of ASCE 7)*

_____ Seismic design category *(1613.5.6; 11.6 of ASCE 7)*

_____ Basic seismic-force-resisting system *(Table 12.2-1 of ASCE 7)*

_____ Response modification coefficient, *R*, and deflection amplification factor, C_d *(Table 12.2-1 of ASCE 7)*

_____ Analysis procedure *(12.6 of ASCE 7)*

_____ Design base shear *(12.8 of ASCE 7)*

Flood loads *(1603.1.6, 1612)*

_____ Flood hazard area *(1612.3)*

_____ Elevation of structure *(1612.5)*

Other loads

_____ Concentrated loads *(1607.4)*

_____ Partition loads *(1607.5)*

_____ Impact loads *(1607.8)*

_____ Misc. loads (*Table 1607.6, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)*

QUALITY ASSURANCE (Chapter 17)

_____ Approvals/Research report(s)*(1703, 1703.4.2)* Report No._____

_____ Statement of special inspections *(1704.1.1, 1705)*

_____ Prefabricated items *(1704.2)*

_____ Steel construction *(1704.3)*

_____ Concrete construction *(1704.4)*

_____ Masonry construction *(1704.5)*

_____ Wood construction *(1704.6)*

_____ Prepared fill and foundations *(1704.7, 1704.8, 1704.9)*

_____ Sprayed fire-resistant materials and coatings *(1704.10, 1704.11)*

_____ EIFS *(1704.12)*

_____ Smoke control *(1704.14)*

_____ Seismic resistance *(1707)*

_____ Structural testing/Observations (seismic) *(1708, 1709)*

_____ Testing (other) *(1710 - 1715)*

SOILS AND FOUNDATIONS (Chapter 18)

_____ Soils investigations/Reports *(1802.1, 1802.2, 1802.6)*

_____ Soil classification *(1802.3)*

_____ Excavation, grading and fill *(1803)*

_____ Load-bearing values *(1804)*

_____ Footings and foundations *(1805)*

_____ Retaining walls *(1806)*

_____ Dampproofing and waterproofing *(1807)*

_____ Foundations (other types) *(1808 - 1812)*

STRUCTURAL MATERIALS (Chapters 19, 21, 22, 23)

CONCRETE (Chapter 19)

_____ Plain and reinforced concrete design/construction standard specified *(1901.2, 1908)*

_____ Construction documents *(1901.4)*

_____ Minimum concrete strength *(Table 1904.2.2)*

_____ Cold weather and hot weather construction specified *(1905.12, 1905.13)*

_____ Slab provisions *(1910)*

MASONRY (Chapter 21)

_____ Design method, construction standard specified *(2101.2)*

_____ Construction documents *(2101.3)*

_____ Construction materials *(2103)*

_____ Mortar type *(2103.8)*

_____ Cold weather and hot weather construction specified *(2104.3, 2104.4)*

_____ Seismic design *(2106)*

_____ Glass unit masonry *(2110)*

_____ Fireplaces/Heaters/Chimneys *(2111, 2112, 2113)*

STEEL (Chapter 22)

_____ Structural steel design/construction standard specified *(2205)*

_____ Open-web steel joist design/construction standard specified *(2206)*

_____ Steel cable structures *(2207)*

_____ Steel storage racks *(2208)*

_____ Cold-formed steel design/construction standard specified *(2209)*

_____ Cold-formed steel light-framed design/construction standard specified *(2210)*

WOOD (Chapter 23)

_____ Design method option used *(2301.2)*

MATERIAL STANDARDS / CONSTRUCTION REQUIREMENTS (2303 - 2306)

_____ Lumber *(2303.1.1)*

_____ Wood I-joists *(2303.1.2)*

_____ Glue-laminated timbers *(2303.1.3)*

_____ Wood structural panels *(2303.1.4, 2304.6, 2304.7)*

_____ Fiber-, hard-, & particle-, boards *(2303.1.5 - 2303.1.7)*

_____ Decay and termite protection *(2303.1.8, 2304.11)*

_____ Structural composite lumber *(2303.1.9)*

_____ Structural log members *(2303.1.10)*

_____ Round timber poles and piles *(2303.1.11)*

_____ Fire-retardant-treated wood *(2303.2)*

_____ Hardwood and plywood *(2303.3)*

_____ Trusses *(2303.4)*

_____ Joist hangers and connectors *(2303.5)*

_____ Fasteners and fastening *(2303.6, 2304.9, Table 2304.9.1)*

_____ Heavy timber construction *(2304.10)*

_____ Shear walls and diaphragms *(2305, 2306)*

CONVENTIONAL LIGHT-FRAME CONSTRUCTION (2308)

_____ Limitations satisfied *(2308.2)*

_____ Wind/Seismic requirements *(2308.2.1, 2308.2.2, 2308.11, 2308.12)*

_____ Braced walls *(2308.3, 2308.9.3)*

_____ Foundation anchorage *(2308.3.3, 2308.6)*

_____ Floor joists *(Tables 2308.8[1], 2308.8[2])*

_____ Wall studs *(Table 2308.9.1)*

_____ Girders *(Tables 2308.9.5 and 2308.9.6, 2308.7)*

_____ Ceiling joists *(Tables 2308.10.2[1], 2308.10.2[2])*

_____ Roof rafters *(Tables 2308.10.3.[1] - 2308.10.3[6])*

_____ Roof uplift *(2308.10.1)*

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24)

_____ Sloped glazing and skylights *(2405)*

_____ Safety glazing *(2406, 2407, 2408, 2409)*

GYPSUM BOARD AND PLASTER (Chapter 25)

_____ Gypsum board materials *(2506, Table 2506.2, Table 2508.1)*

_____ Plaster *(2507, 2508, 2510 - 2513)*

PLASTIC (Chapter 26)

FOAM PLASTIC INSULATION (2603)

_____ Labeling *(2603.2, 2603.5.6)*

_____ Surface-burning characteristics *(2603.3, 2603.5.4)*

_____ Thermal barrier *(2603.4)*

_____ Exterior walls/Roofs *(2603.5, 2603.6)*

_____ Protection against termites *(2603.8)*

_____ Special approval *(2603.9)*

MISCELLANEOUS PLASTICS

_____ Interior finish and trim *(2604)*

_____ Plastic veneer *(2605)*

_____ Light-transmitting plastics *(2606 - 2611)*

BUILDING SERVICES* (Chapters 27, 28, 29, 30)

ELEVATORS AND CONVEYING SYSTEMS (Chapter 30)

_____ Construction standard specified *(3001.2)*

_____ Hoistway enclosures *(3002)*

_____ Opening protectives *(3002.1.1)*

_____ Emergency operations *(3003)*

_____ Hoistway venting *(3004)*

_____ Conveying systems *(3005)*

_____ Machine rooms *(3006)*

* Also see Electrical (Ch.27), Mechanical (Ch.28) and Plumbing (Ch.29) Plan Review Records

SPECIAL DEVICES AND CONDITIONS (Chapters 31, 34)

SPECIAL CONSTRUCTION (Chapter 31)

_____ Membrane structures *(3102)*

_____ Awnings and canopies/Marquees *(3105, 3106)*

_____ Signs *(3107)*

_____ Radio and television towers *(3108)*

_____ Swimming pool enclosures *(3109)*

PEDESTRIAN WALKWAYS AND TUNNELS (3104)

_____ Construction and use *(3104.3, 3104.4)*

_____ Separation *(3104.5, 3104.10)*

_____ Public way *(3104.6)*

_____ Egress *(3104.7 - 3104.9)*

EXISTING STRUCTURES (Chapter 34)

_____ Additions, alterations, repairs *(3403)*

_____ Fire escapes *(3404)*

_____ Change of occupancy *(3406)*

_____ Accessibility *(3409)*

_____ Compliance alternatives *(3410)*

BUILDING EVALUATION SUMMARY *(Table 3410.7)*

Existing occupancy _____ Proposed occupancy _____
Year building was constructed _____ Number of stories _____ Height in feet _____
Type of construction _____ Area per floor _____
Percentage of frontage _____% Corridor wall rating _____
Completely suppressed: Yes _____ No _____ Required door closers: _____ Yes _____ No _____
Compartmentation: Yes _____ No _____
Fireresistance rating of vertical opening enclosures _____
Type of HVAC system _____, serving number of floors _____
Automatic fire detection: Yes _____ No _____, type and location _____
Fire alarm system: Yes _____ No _____, type _____
Smoke control: Yes _____ No _____, type _____
Adequate exit routes: Yes _____ No _____ Dead ends: Yes _____ No _____
Maximum exit access travel distance _____ Elevator controls: Yes _____ No _____
Means of egress emergency lighting: Yes _____ No _____ Mixed occupancies: Yes _____ No _____

Safety parameters	Fire safety (FS)	Means of egress (ME)	General safety (GS)
3410.6.1 Building height			
3410.6.2 Building area			
3410.6.3 Compartmentation			
3410.6.4 Tenant and dwelling unit separations			
3410.6.5 Corridor walls			
3410.6.6 Vertical openings			
3410.6.7 HVAC systems			
3410.6.8 Automatic fire detection			
3410.6.9 Fire alarm system			
3410.6.10 Smoke control	* * * *		
3410.6.11 Means of egress	* * * *		
3410.12 Dead ends	* * * *		
3410.13 Max. exit access travel distance	* * * *		
3410.6.14 Elevator control			
3410.6.15 Means of egress emergency lighting	* * * *		
3410.6.16 Mixed occupancies		* * * *	
3410.6.17 Automatic sprinklers		÷ 2 =	
3410.6.18 Incidental use			
Building score — total value			

* * * * No applicable value to be inserted.

BUILDING SAFETY EVALUATION SCORE *(Table 3410.9)*

Formula	Table 3410.7		Table 3410.8		Score	Pass	Fail
FS–MFS ≥ 0	_____ (FS)	—	_____ (MFS)	=	_____	_____	_____
ME–MME ≥ 0	_____ (ME)	—	_____ (MME)	=	_____	_____	_____
GS–MGS ≥ 0	_____ (GS)	—	_____ (MGS)	=	_____	_____	_____

FS = Fire Safety
ME = Means of Egress
GS = General Safety
MFS = Mandatory Fire Safety
MME = Mandatory Means of Egress
MGS = Mandatory General Safety

APPENDICES A - J

_____ Appendices adopted *(101.2.1)* _____ Compliance verified